

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ03/00225

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: C07C 237/30, 309/66, 311/39; C07D 263/04, 295/13; A61K 31/18, 31/166, 31/357, 31/5375; A61P 35/00.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See electronic database consulted below.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN (File CA): substructure search. STN (File CA, Medline, WPIDS): Keywords- prodrug, gdept, mustard, amino?

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| P, X | STN File CA, abstract number 138:331354 & N. A. Helsby et al., Chemical Research in Toxicology (2003), 16(4), 469-478. See abstract and CAS Registry Number 517916-68-6 | 1-21 |
| X | F. Friedlos et al., Mustard Prodrugs for Activation by <i>Escherichia coli</i> Nitroreductase in Gene-Directed Enzyme Prodrug Therapy, J. Med. Chem. (1997), 40, 1270-1275. See the whole document, in particular the abstract and page 1272, table 1. | 1-21 |

☐ Further documents are listed in the continuation of Box C

☐ See patent family annex

| | |
|---|--|
| * Special categories of cited documents: | |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| "E" earlier application or patent but published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family |
| "P" document published prior to the international filing date but later than the priority date claimed | |

Date of the actual completion of the international search
27 November 2003

Date of mailing of the international search report
11 DEC 2003

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustalia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

MARIE-ANNE FAM

Telephone No : (02) 6283 2254

BEST AVAILABLE COPY